



FEMA



Prepared by
Brian Hoeth
Matthew Bloemer

FEMA Region 6 Weather Threat Briefing

Wednesday, October 24, 2018

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Summary of the Upcoming Week



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Today

- Isolated heavy rain/flash flooding possible for much of Central and SE TX into S LA.

Thursday

- Heavy rain areas will be clearing TX/LA in the morning.

Friday - Sunday

- No significant weather expected.

River Flood Status

- Moderate to Major River flooding is ongoing or expected across Texas.
 - Rio Grand river is forecast to rapidly rise today to major flood stage at Foster Range in SW TX. Mainly Agricultural and recreational impacts expected.
 - Points along the Nueces river in STX will continue in Major Flood at times over the next week as water moves downstream. At Tilden, a continued slow rise in major flood is expected; evacuation of livestock and a few residential properties may be required.
 - The Trinity River at Liberty is in Moderate flood near Trinidad, Long Lake and Crockett. Flood wave will move downstream through this weekend with impacts of agricultural flooding and several subdivisions above Liberty likely flooding.
- Additional rainfall today in Central TX will likely prolong flooding along the already impacted rivers and lead to additional moderate (to isolated major) river flooding. Basins of concern are primarily in the Hill Country and include the Rio Grande, Guadalupe, San Antonio and Nueces systems.

Tropical Outlook

- An area of potential development has been identified in the Central Atlantic. Any development should remain away from the US coastline.

FEMA Region 6 Threat Matrix

Oct 24, 2018 – Oct 28, 2018



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DAY / THREAT	WED	THU	FRI	SAT	SUN
Severe Storms					
Heavy Rain / Flash Flooding	Central & Southeast TX				
	LA				
Winter Weather					
Tropical Weather					
River Flooding	TX	TX	TX	TX	TX

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

**Threat levels are based on FEMA Region 6 criteria.*

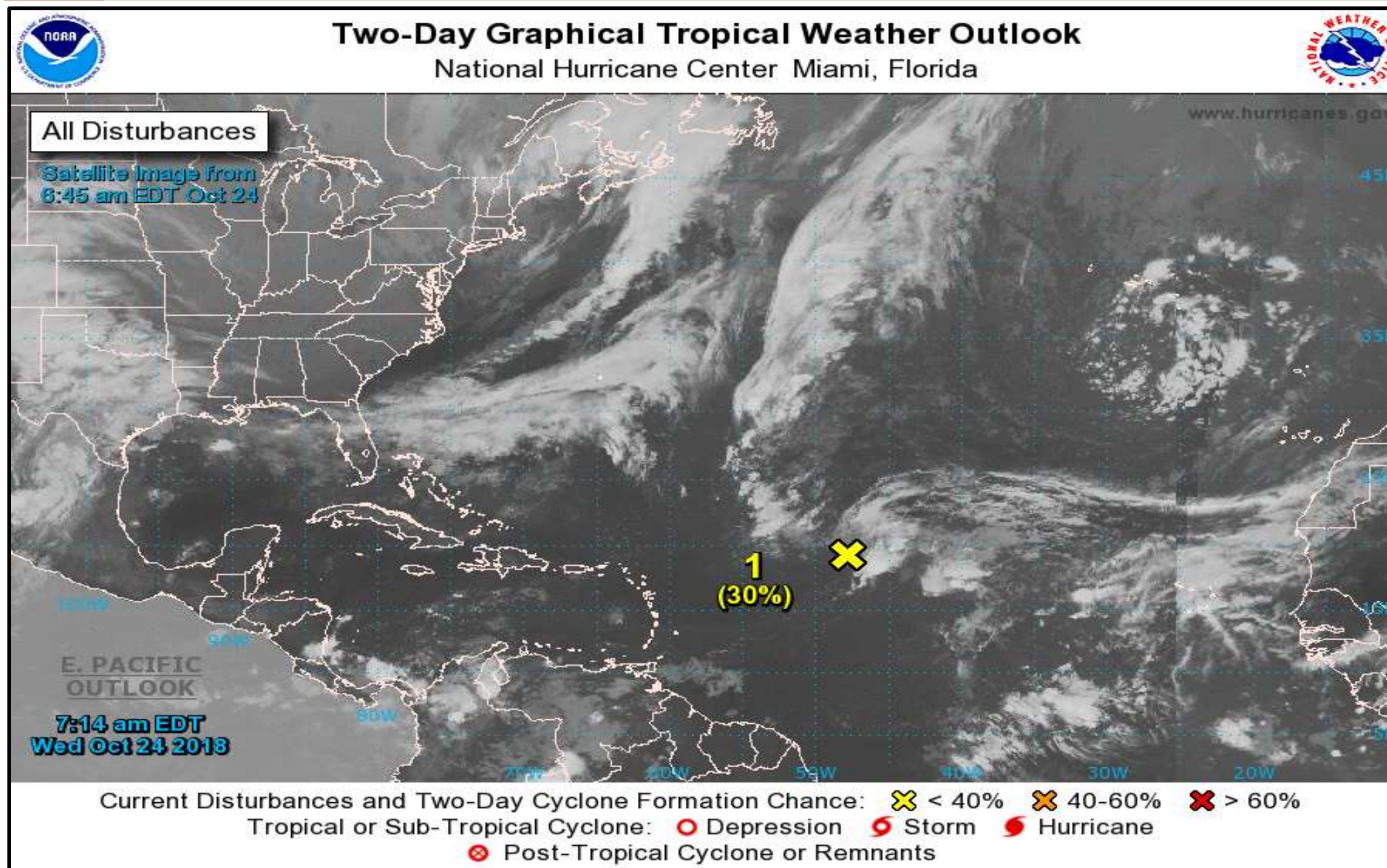
*State or local threat level criteria may differ.**

For more details on the colors in the threat matrix refer to the last slide in this briefing.

Tropical Weather Outlook – Atlantic/Gulf



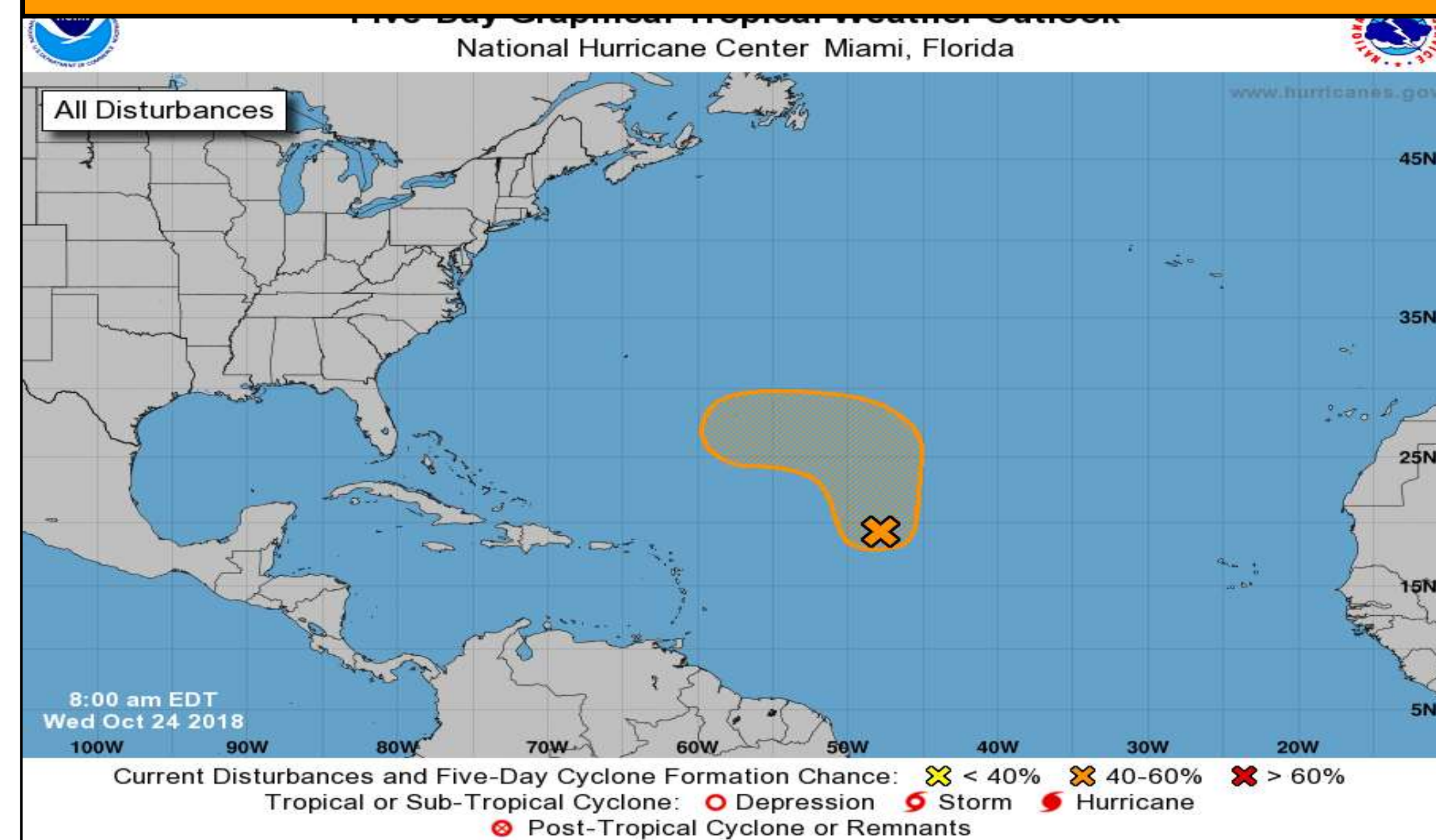
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A LARGE AREA OF DISORGANIZED SHOWERS AND THUNDERSTORMS OVER THE CENTRAL TROPICAL ATLANTIC OCEAN IS ASSOCIATED WITH A BROAD AREA OF LOW PRESSURE LOCATED A LITTLE OVER 900 MILES EAST OF THE NORTHERN LEEWARD ISLANDS. THIS SYSTEM IS EXPECTED TO MOVE SLOWLY NORTHWARD OVER THE NEXT FEW DAYS INTO AN AREA WHERE ENVIRONMENTAL CONDITIONS ARE FORECAST TO BE MORE CONDUCTIVE FOR DEVELOPMENT. A TROPICAL OR SUBTROPICAL DEPRESSION COULD FORM OVER THE WEEKEND WHILE THE SYSTEM TURNS WESTWARD WELL TO THE NORTHEAST OF THE LESSER ANTILLES.

*** FORMATION CHANCE THROUGH 48 HOURS...LOW...30 PERCENT.**

*** FORMATION CHANCE THROUGH 5 DAYS...MEDIUM...60 PERCENT.**

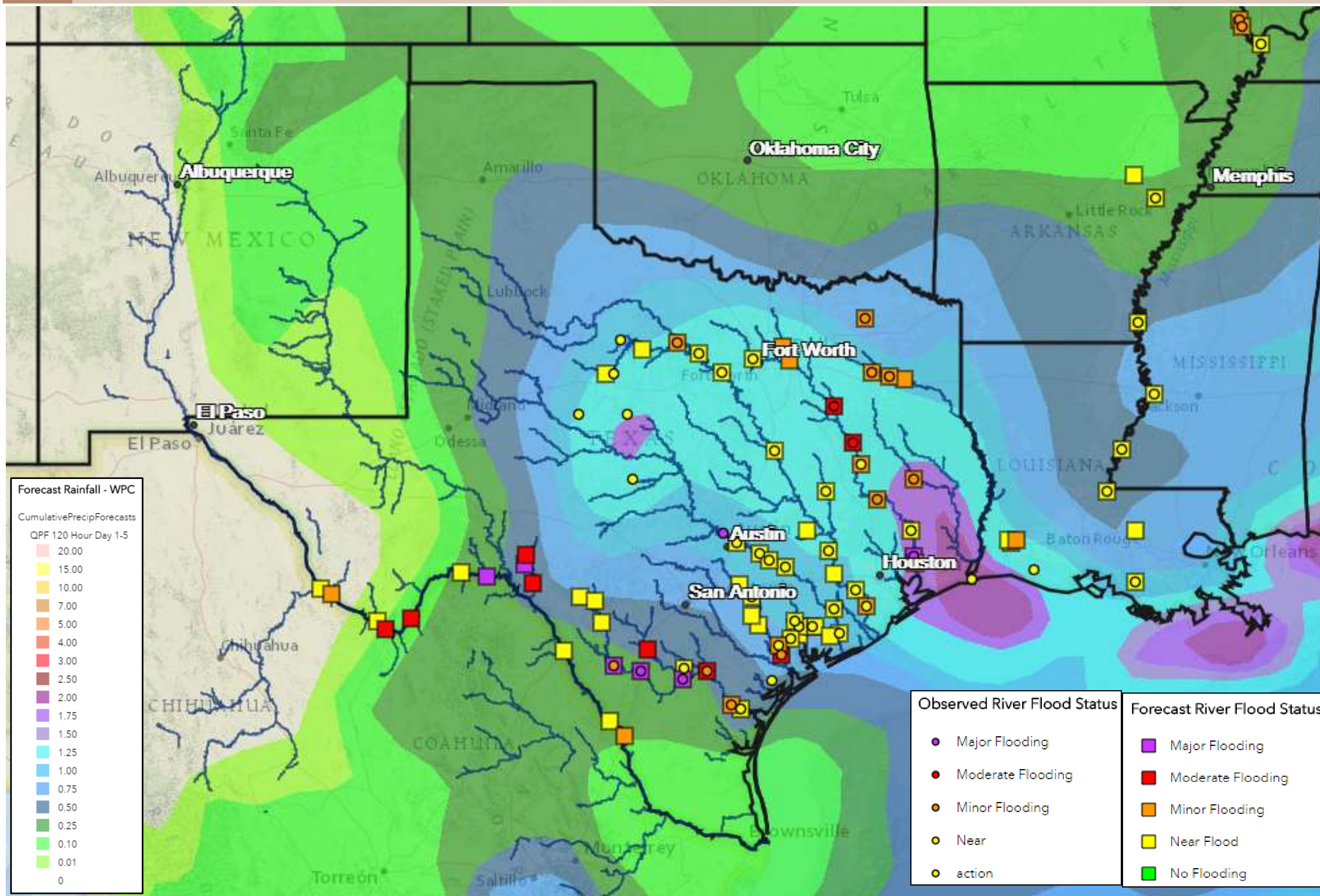


5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Moderate to Major River flooding is ongoing or expected across Texas.

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- The Trinity River at Liberty is in Moderate flood near Trinidad, Long Lake and Crockett. Flood wave will move downstream through this weekend with impacts of agricultural flooding and several subdivisions above Liberty likely flooding.

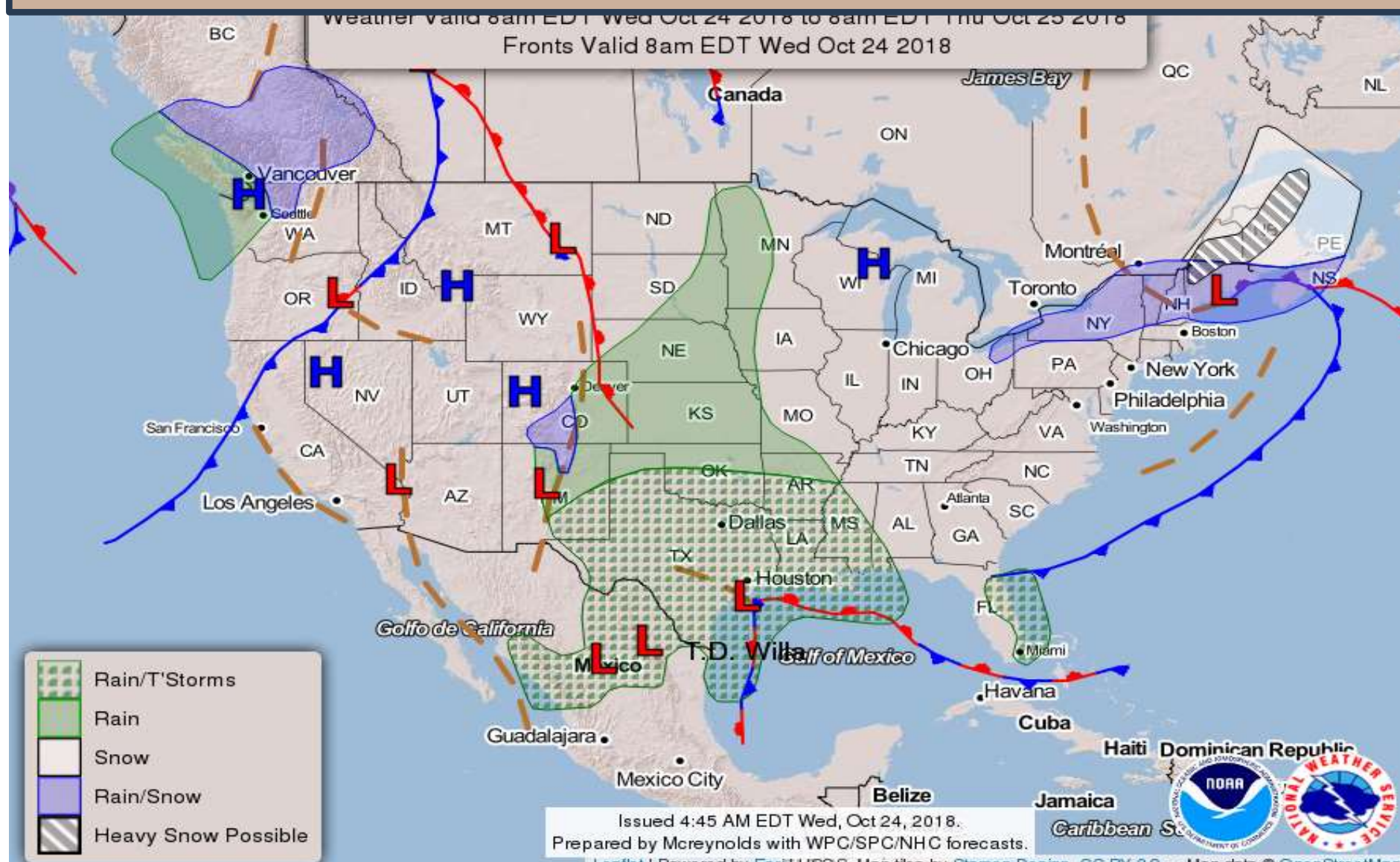
Additional rainfall today in Central TX will likely prolong flooding along the already impacted rivers and lead to additional moderate (to isolated major) river flooding. Basins of concern are primarily in the Hill Country and include the Rio Grande, Guadalupe, San Antonio and Nueces systems.

Today's Weather

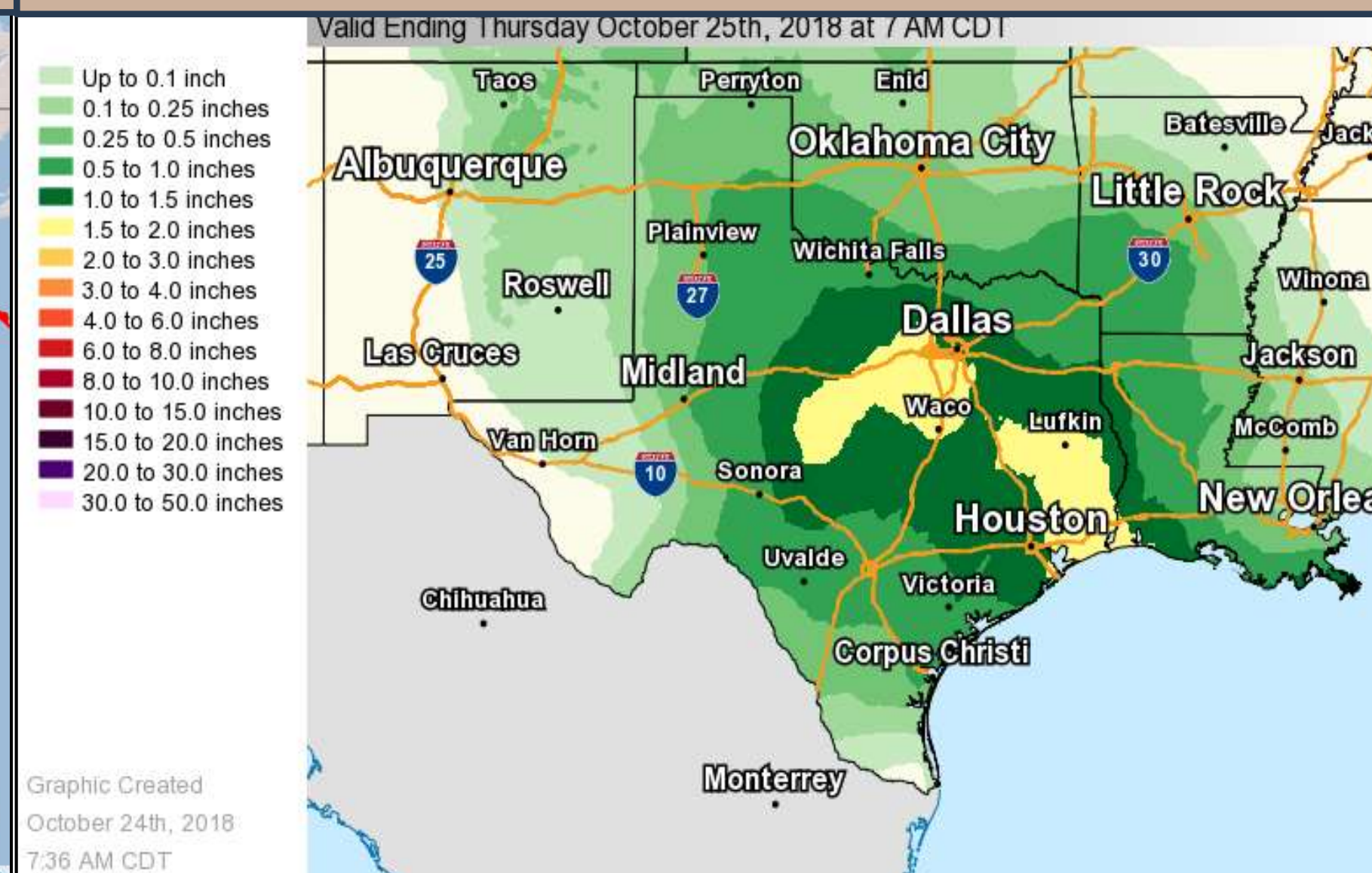


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Forecast Chart



Forecast Rainfall



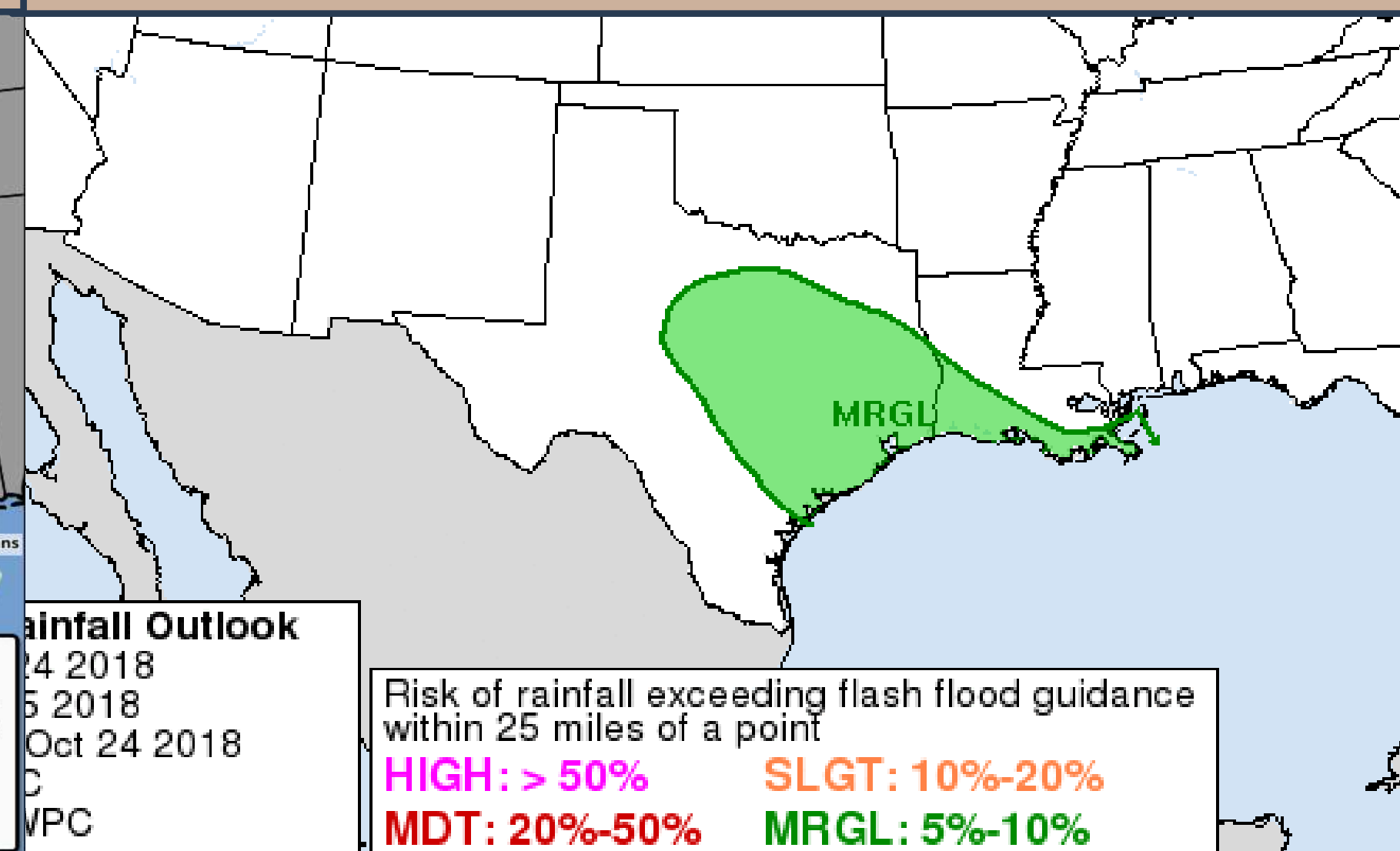
Heavy rain today over central and southeast TX may lead to additional flash flooding.

Widespread rainfall expected over S LA which would lead to isolated flash flooding.

Severe Weather Outlook



Excessive Rainfall Outlook



Watches, Warnings, and Advisories



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Fire Weather



Graphic Created

Severe Weather & Flooding



Graphic Created

Flash flood watches are in effect for SW and Central TX through this evening.

Strong & Gusty Winds



Graphic Created

Winter Weather



Graphic Created

Tomorrow's Weather

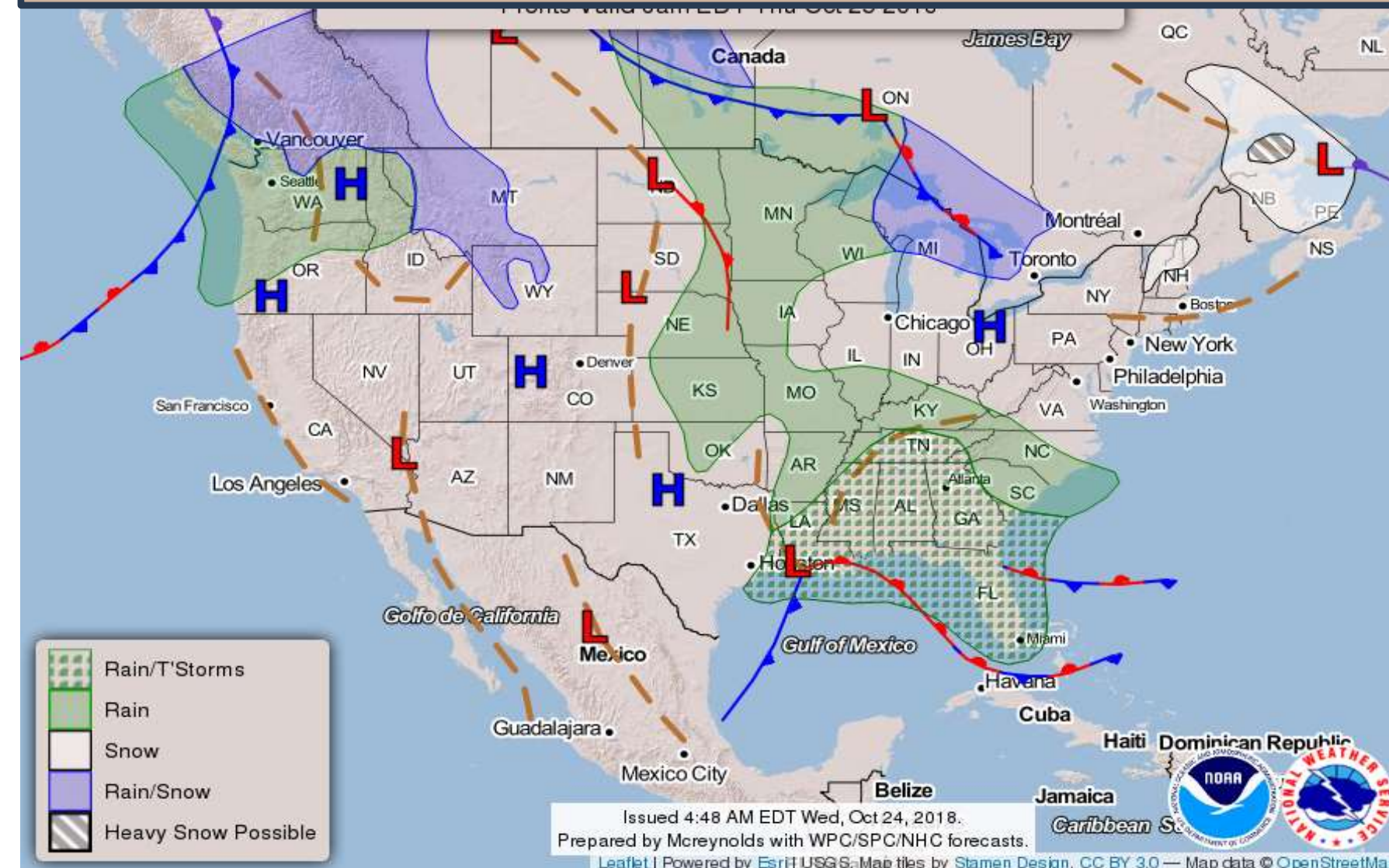


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Forecast Chart

Forecast Rainfall

No Significant Weather
Impacts Expected.

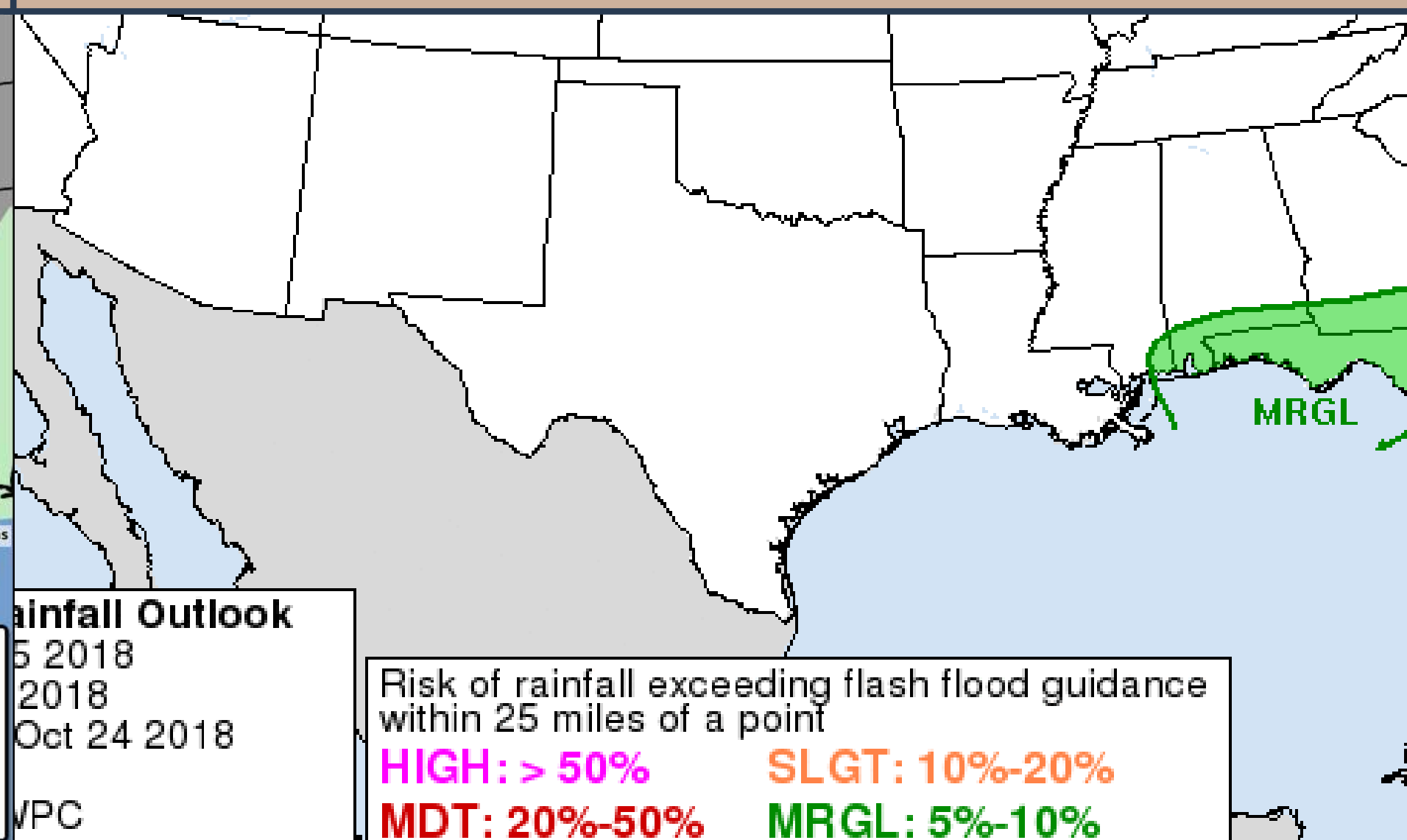


Graphic Created
October 24th, 2018
7:37 AM CDT



Severe Weather Outlook

Excessive Rainfall Outlook

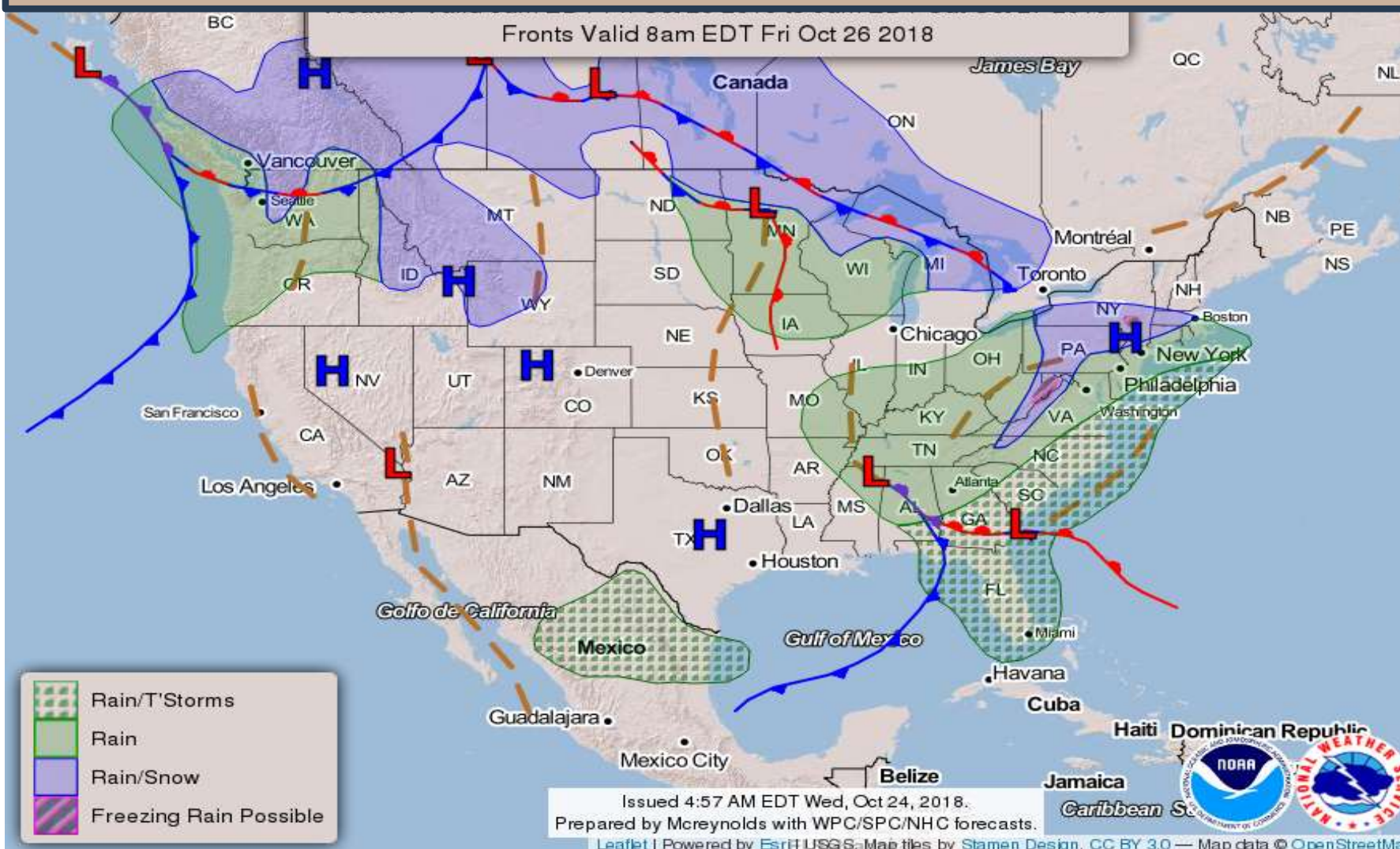


Friday's Weather



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Forecast Chart



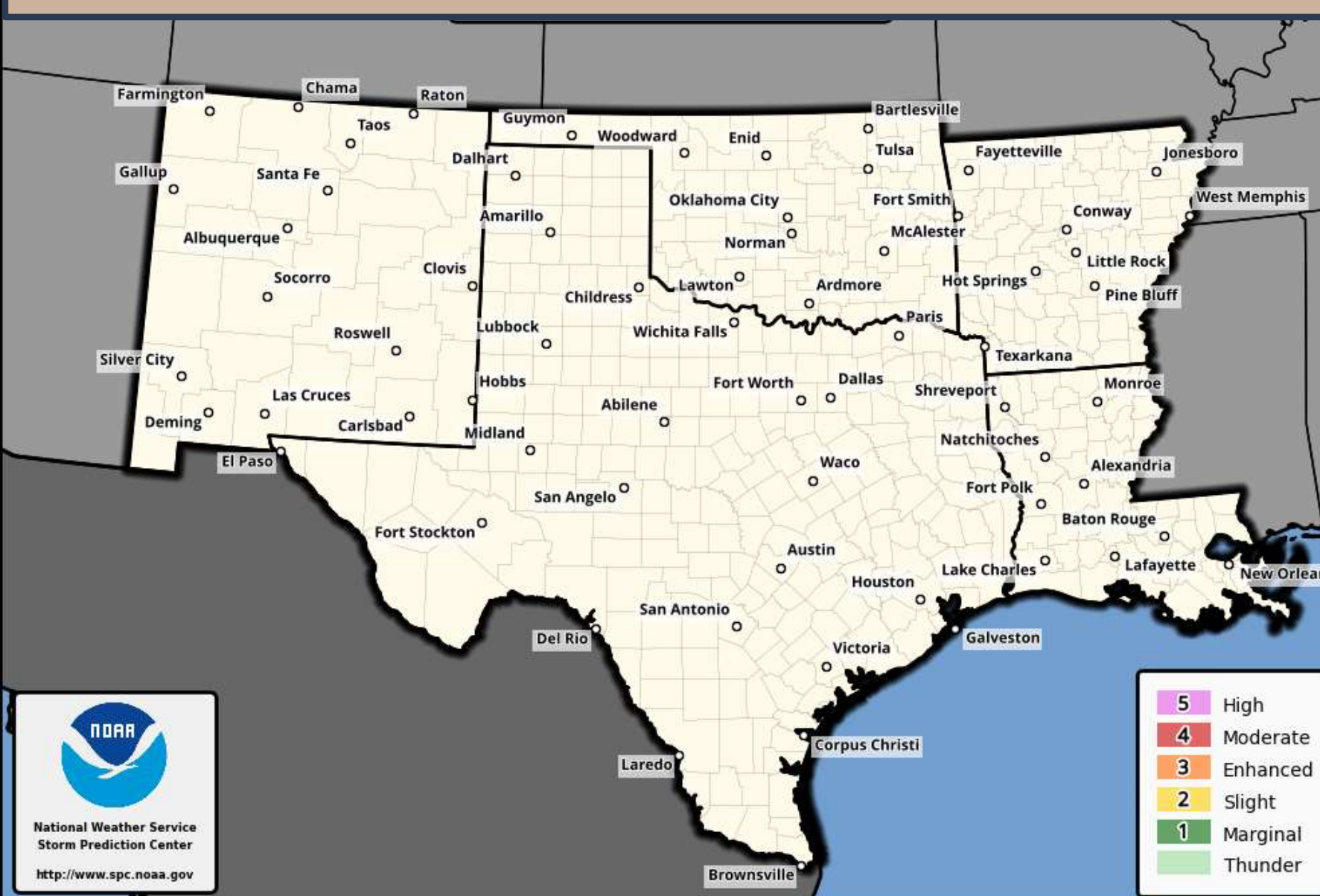
Graphic Created
October 24th, 2018

Forecast Rainfall

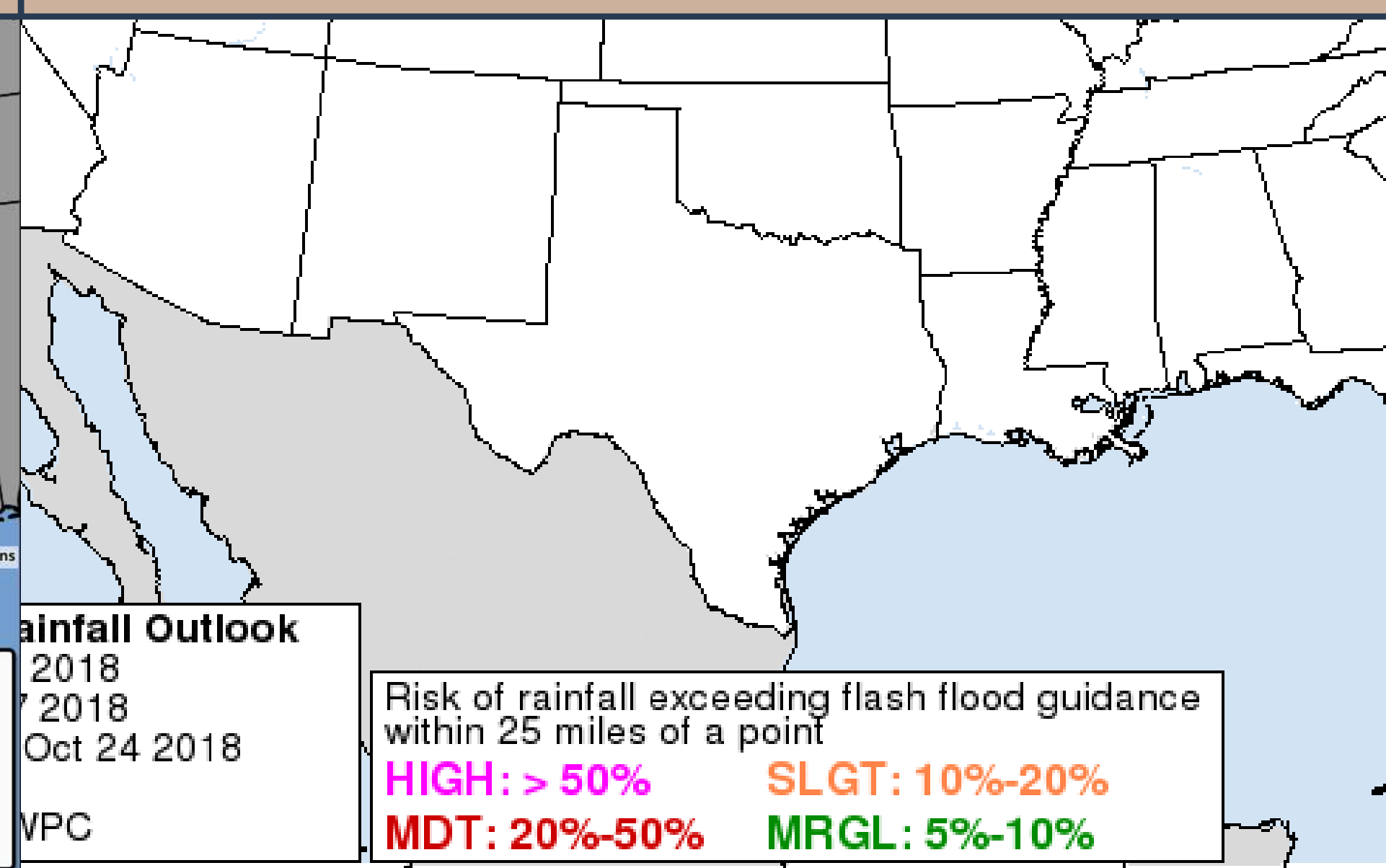


No Significant Weather
Impacts Expected.

Severe Weather Outlook



Excessive Rainfall Outlook



Rainfall Outlook
2018
2018
Oct 24 2018
WPC

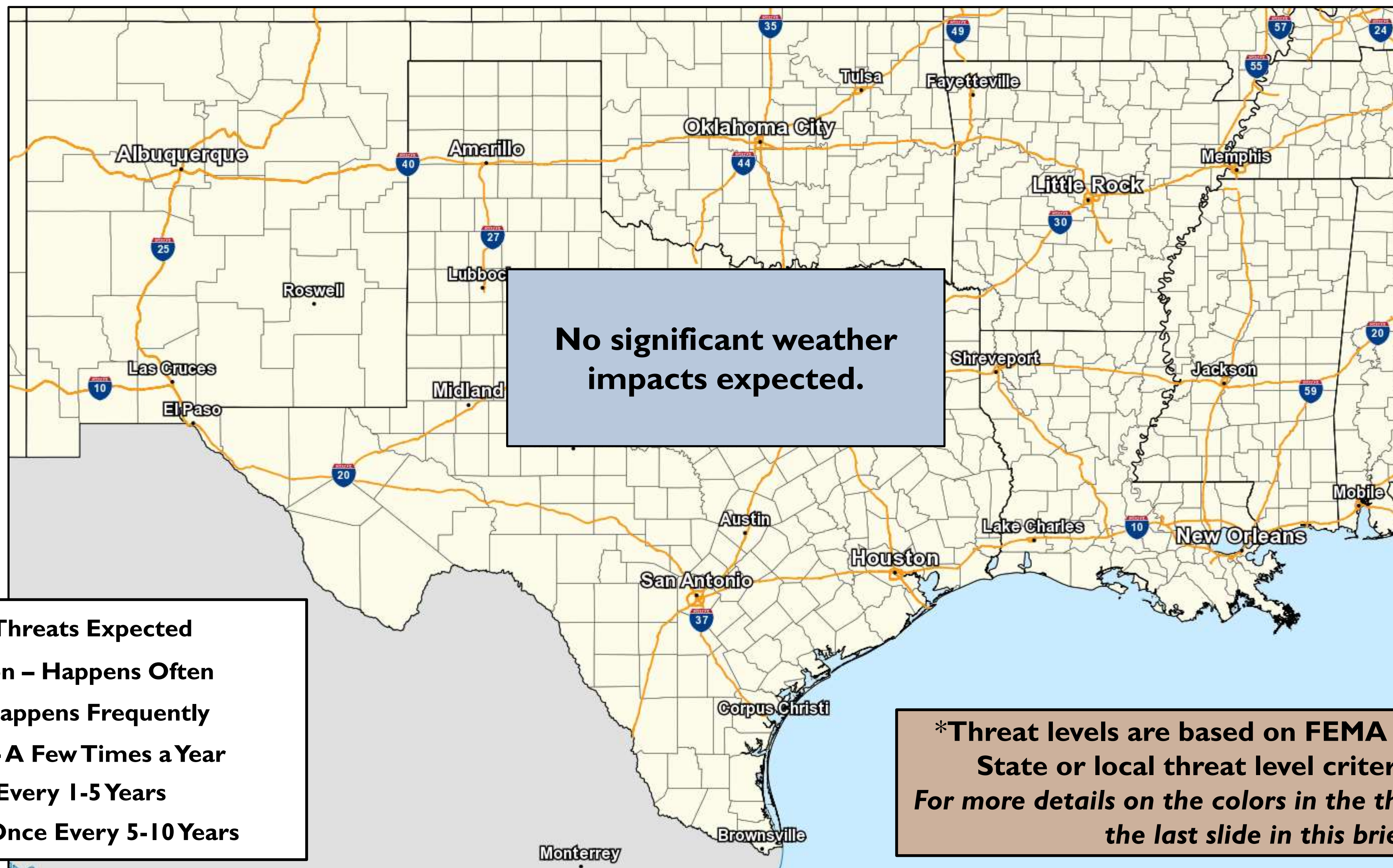
Risk of rainfall exceeding flash flood guidance
within 25 miles of a point
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**

Days 4-5 Weather Hazards

Saturday - Sunday



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- No Weather Threats Expected
- Very Common – Happens Often
- Common – Happens Frequently
- Uncommon – A Few Times a Year
- Rare – Once Every 1-5 Years
- Very Rare – Once Every 5-10 Years

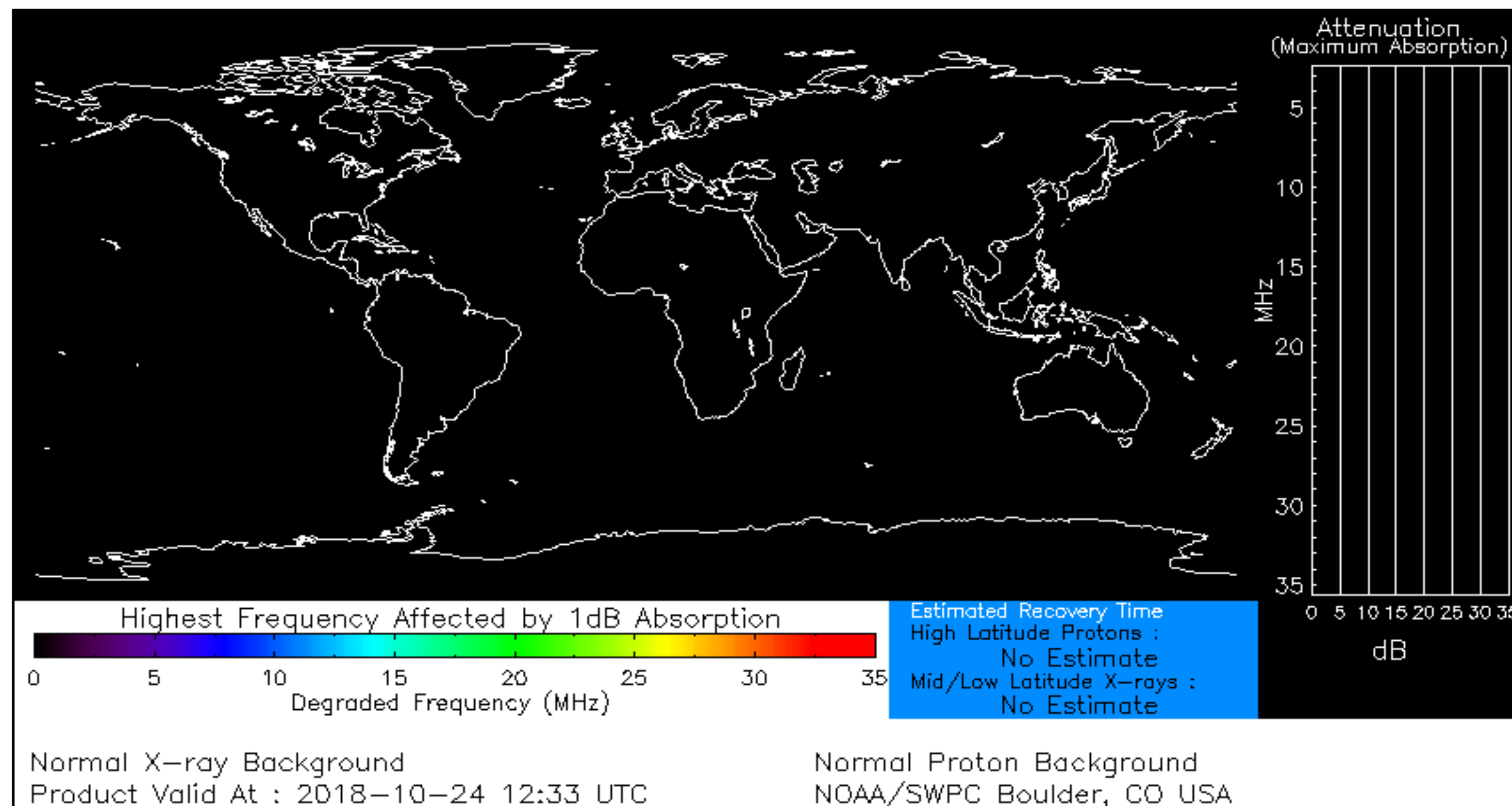
***Threat levels are based on FEMA Region 6 criteria.
State or local threat level criteria may differ.***
For more details on the colors in the threat matrix refer to the last slide in this briefing.

Space Weather 3-Day Forecast



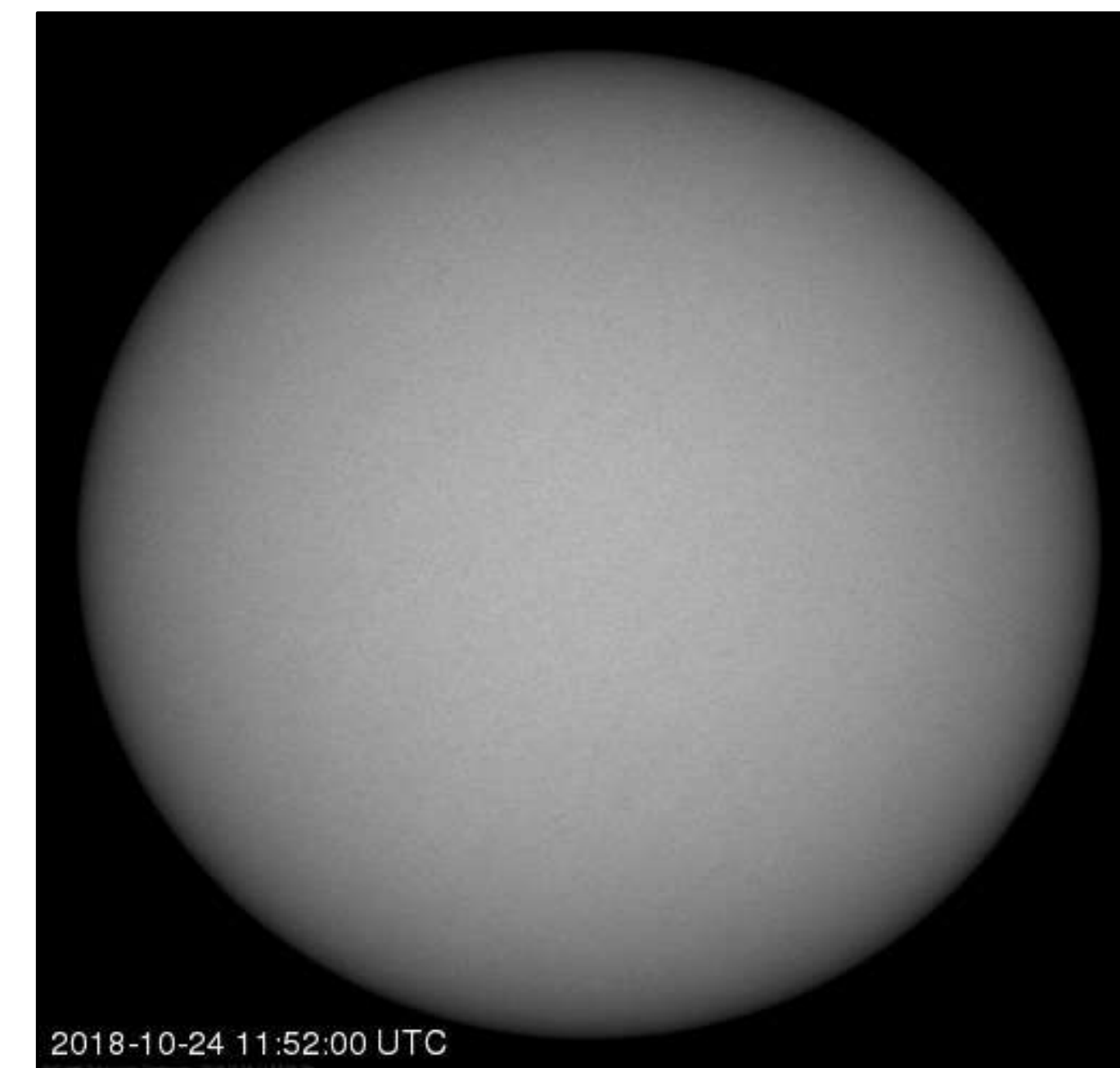
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	Wednesday	Thursday	Friday
Geomagnetic Storms	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a
Description of the Space
Weather Storm Scales](#)

[Click here for the Latest
3-Day Space Weather
Forecast Text](#)





For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov